

**Notice of Allowability**

Application No.

10/528,383

Examiner

William Oen

Applicant(s)

MOSER, GEORGE G.

Art Unit

2855

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the IDS filed 10/31/2005.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 10/31/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Allowable Subject Matter*

The following is an examiner's statement of reasons for allowance:

The Prior Art does not fairly teach or suggest a tire pressure monitor and information communicator for use in the operation of an automotive vehicle to relay information to the vehicle operator about the internal tire air pressure inflation level of each tire mounted on individual wheels on each axle of the vehicle, having at least one rotating magnetic actuator in communication with the internal tire air pressure of a tire on the vehicle, the magnetic actuator being mounted through the wheel to provide access for the magnetic actuator to the internal tire air pressure, the mounting being made through the wheel in a location selected from the group consisting of the wheel rim, the wheel valve, the wheel side, the wheel valve stem, and the tire itself; an air pressure transducer within the at least one rotating magnetic actuator mounted through the wheel in a parallel relationship with the axle so that the transducer is speed-insensitive and reliable at any speed, the air pressure transducer for generating a signal proportional to the internal tire air pressure by transforming an input signal of the internal tire air pressure of from about 1.0 psi to about 100 psi to a detectable output signal for communicating tire pressure information to the vehicle operator; at least one stationary field sensor permanently mounted in a face-to-face relationship with the rotating magnetic actuator, the sensor being permanently mounted on a stationary

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portion of the vehicle, facing the rotating magnetic actuator as it rotates around at a physical distance gap between the rotating magnetic actuator and the field sensor of from about 0.01mm to about 50mm, whereby the field sensor detects the signal generated by the rotating magnetic actuator each time it rotates past the field sensor as the wheel makes a revolution; and a signal emitter for communicating information, the signal emitter being in communication with the stationary field sensor to communicate the signal information to the vehicle operator for relaying tire air pressure information whenever the tire pressure goes outside of a predetermined safe level for operating the vehicle.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record on the attached PTO Form 892 and not relied upon is considered pertinent to applicant's disclosure.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Oen whose telephone number is 571-272-2186. The examiner can normally be reached on 9:30am - 6:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WL Oen  
November 18, 2005



William Oen  
Primary Examiner